

WORLD INTELLECTUAL PROPERTY ORGANIZATION International Bureau



AADED ATIAN TOEATV

	INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCI)			
1	(51) International Patent Classification ⁶ :		(11) International Publication Number: WO 99/52927	
	C07H 21/04, C07K 14/705, C12N 15/09, 15/63, C12Q 1/68	A1	(43) Internati nal Publicati n Date: 21 October 1999 (21.10.99)	
	(21) International Application Number: PCT/US (22) International Filing Date: 14 April 1999 (F. [US/US]; 14520 Vintage Drive, San Diego, CA 92129	
	(30) Priority Data: 09/060,188 14 April 1998 (14.04.98) 60/090,783 26 June 1998 (26.06.98) 60/112,909 18 December 1998 (18.12.99 60/123,000 5 March 1999 (05.03.99)) (8	(74) Agents: ROSEN, Mark, J.; Woodcock Washburn Kurtz Mackiewicz & Norris LLP, 46th floor, One Liberty Place, Philadelphia, PA 19103 (US) et al.	

(71) Applicants (for all designated States except US): ARENA PHARMACEUTICALS, INC. [US/US]; 6166 Nancy Ridge Drive, San Diego, CA 92121 (US). TRIPOS, INC. [US/US]; 1699 S. Hanley Road, St. Louis, MO 63144 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): BEHAN, Dominic, P. [GB/US]; 11472 Roxboro Court, San Diego, CA 92131 (US). CHALMERS, Derek, T. [GB/US]; 347 Longden Lane, Solana Beach, CA 92075 (US). FOSTER, Richard, J. [GB/GB]: Lower Penhalt, Poundstock, Bude, Comwell EX23 ODF (GB). GLEN, Robert, C. [GB/US]; 7 Stone Chimney, Glencoe, MO 63038 (US). LAWLESS, Michael, S. [US/US]; 1847 Willow Oak Drive, St. Charles, MO 63303 (US). LIAW, Chen, W. [US/US]; 7668 Salix Place, San Diego, CA 92129 (US). LIU, Qian [CN/US]; 13 Cool

(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).

Published

With international search report.

Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

(54) Title: NON-ENDOGENOUS, CONSTITUTIVELY ACTIVATED HUMAN SEROTONIN RECEPTORS AND SMALL MOLE-CULE MODULATORS THEREOF

(57) Abstract

Disclosed herein are non-endogenous, constitutively activated forms of the human 5-HT_{2A} and human 5-HT_{2C} receptors and uses of such receptors to screen candidate compounds. Further disclosed herein are candidate compounds identified by the screening method which act at the 5HT2A receptors. Yet further disclosed is a new class of compounds which act at the 5HT2A receptors.